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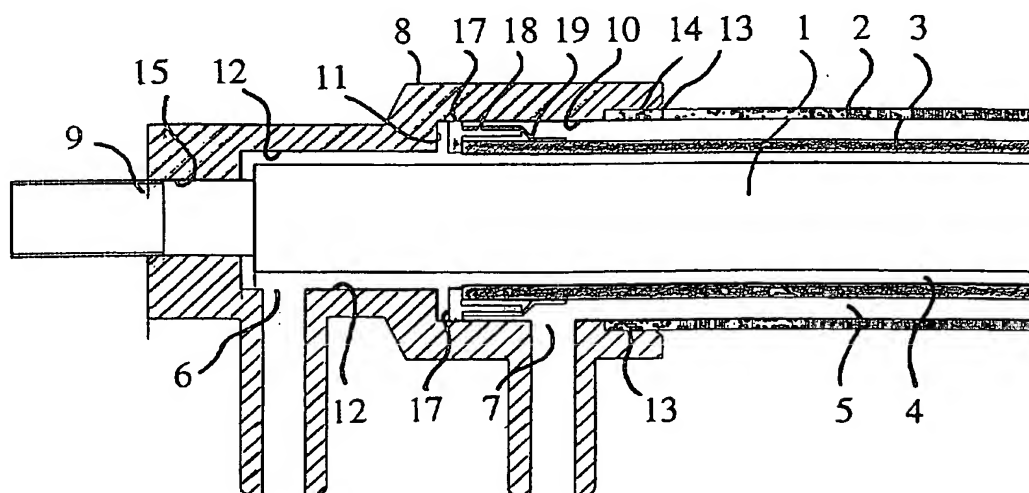
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(54) Title: ELECTROCHEMICAL CELLS



(57) **Abstract:** An electrochemical cell has an inner, titanium-rod electrode (1) mounted coaxially within an outer, titanium-tube electrode (2) with a porous, ceramic tube (3) mounted coaxially between them to define coaxial, annular passageways (4,5) for liquid flow in separate streams lengthwise of the cell between respective pairs of inlet/outlet ports (6, 6; 7, 7). A cup-shape fitting (8) having a stepped-down internal diameter is clamped onto the rod electrode (1) at each end of the cell, with the tubular electrode (2) at that end held tightly sealed in the mouth (14) of the fitting (8). Each end of the ceramic tube (3) projects into the larger-diameter cavity-part (10) of the fitting (8) at that end and has a radial flange (17) that provides a sliding seal within this cavity-part (10) for keeping the inlet/outlet ports (6,7) for the respective liquid streams at that end, divided off from one another as well as allowing the ceramic tube (3) limited freedom for longitudinal sliding relative to the electrodes (1, 2).

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